



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D3488-4

Job Sheet 209545



Part No: D3488-4

Job Qty: 12 pcs

Part Name: Blade Fitting, RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/1/20

Job Tracking No:

Due Date: 8/10/20

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DSK101 REV.D / D3488 REV.C IPP REV:A 18.11.09 NEW ISSUE DD VERF:JFS

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation  | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|------------|--------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |            |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 100   | Doosan - 1 | 12 pcs |            | 8/7/20   | 1.00      | 10.55   | Doosan - 1            |           | De 29/08/30 |
| 110   | QC 2       | 12 pcs |            | 8/7/20   | 0.00      | 0.00    | QC 2 - 1              |           |             |
|       |            |        |            |          |           |         | QC 2 - 12             |           |             |
|       |            |        |            |          |           |         | QC 2 - 14             |           |             |
|       |            |        |            |          |           |         | QC 2 - 17             |           |             |
|       |            |        |            |          |           |         | QC 2 - 19             |           |             |
|       |            |        |            |          |           |         | QC 2 - 2              |           |             |
|       |            |        |            |          |           |         | QC 2 - 20             |           |             |
|       |            |        |            |          |           |         | QC 2 - 22             |           |             |
|       |            |        |            |          |           |         | QC 2 - 23             |           |             |
|       |            |        |            |          |           |         | QC 2 - 25             |           |             |
|       |            |        |            |          |           |         | QC 2 - 32             |           |             |
|       |            |        |            |          |           |         | QC 2 - 33             |           |             |
|       |            |        |            |          |           |         | QC 2 - 35             |           |             |
|       |            |        |            |          |           |         | QC 2 - 39             |           |             |
|       |            |        |            |          |           |         | QC 2 - 4              |           |             |
|       |            |        |            |          |           |         | QC 2 - 40             |           |             |
|       |            |        |            |          |           |         | QC 2 - 44             |           |             |
|       |            |        |            |          |           |         | QC 2 - 45             |           |             |
|       |            |        |            |          |           |         | QC 2 - 48             |           |             |
|       |            |        |            |          |           |         | QC 2 - 49             |           |             |
|       |            |        |            |          |           |         | QC 2 - 50             |           |             |
|       |            |        |            |          |           |         | QC 2 - 51             |           |             |
|       |            |        |            |          |           |         | QC 2 - 52             |           |             |
|       |            |        |            |          |           |         | QC 2 - 57             |           |             |
|       |            |        |            |          |           |         | QC 2 - 62             |           |             |
|       |            |        |            |          |           |         | QC 2 - 63             |           |             |
|       |            |        |            |          |           |         | QC 2 - 8              |           |             |
|       |            |        |            |          |           |         | QC 2 - 66             |           |             |
|       |            |        |            |          |           |         | QC 2 - 64             |           |             |



Container No: S297254



Part: D3488-4

Job No: 209545

Serial No/Batch: S297254

Revision: D/C

Inspector:

Exp Date:

Instructions: Various STC's

Date: 08/30/20

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

|                       |        |        |      |      |                |                 |  |
|-----------------------|--------|--------|------|------|----------------|-----------------|--|
|                       |        |        |      |      |                | QC 2 - 65       |  |
|                       |        |        |      |      |                | QC 2 - 5        |  |
|                       |        |        |      |      |                | QC 2 - 71       |  |
|                       |        |        |      |      |                | QC 2 - 73       |  |
|                       |        |        |      |      |                | QC 2 - 69       |  |
|                       |        |        |      |      |                | QC 2 - 76       |  |
|                       |        |        |      |      |                | QC 2 - 86       |  |
|                       |        |        |      |      |                | QC 2 - 83       |  |
| 120 HAAS 4 Axis - B4B | 12 pcs | 8/8/20 | 1.00 | 8.23 | HAAS - 1 - B4B | DIP 20-09-24    |  |
|                       |        |        |      |      | HAAS - 2 - B4B |                 |  |
|                       |        |        |      |      | HAAS - 3 - B4B |                 |  |
|                       |        |        |      |      | HAAS - 4 - B4B |                 |  |
| 130 QC 2              | 12 pcs | 8/8/20 | 0.00 | 0.00 | QC 2 - 1       |                 |  |
|                       |        |        |      |      | QC 2 - 12      |                 |  |
|                       |        |        |      |      | QC 2 - 14      |                 |  |
|                       |        |        |      |      | QC 2 - 17      |                 |  |
|                       |        |        |      |      | QC 2 - 19      |                 |  |
|                       |        |        |      |      | QC 2 - 2       |                 |  |
|                       |        |        |      |      | QC 2 - 20      |                 |  |
|                       |        |        |      |      | QC 2 - 22      |                 |  |
|                       |        |        |      |      | QC 2 - 23      |                 |  |
|                       |        |        |      |      | QC 2 - 25      |                 |  |
|                       |        |        |      |      | QC 2 - 32      |                 |  |
|                       |        |        |      |      | QC 2 - 33      |                 |  |
|                       |        |        |      |      | QC 2 - 35      |                 |  |
|                       |        |        |      |      | QC 2 - 39      |                 |  |
|                       |        |        |      |      | QC 2 - 4       |                 |  |
|                       |        |        |      |      | QC 2 - 40      |                 |  |
|                       |        |        |      |      | QC 2 - 44      |                 |  |
|                       |        |        |      |      | QC 2 - 45      |                 |  |
|                       |        |        |      |      | QC 2 - 48      |                 |  |
|                       |        |        |      |      | QC 2 - 49      |                 |  |
|                       |        |        |      |      | QC 2 - 50      |                 |  |
|                       |        |        |      |      | QC 2 - 51      |                 |  |
|                       |        |        |      |      | QC 2 - 52      |                 |  |
|                       |        |        |      |      | QC 2 - 57      |                 |  |
|                       |        |        |      |      | QC 2 - 62      |                 |  |
|                       |        |        |      |      | QC 2 - 63      |                 |  |
|                       |        |        |      |      | QC 2 - 8       |                 |  |
|                       |        |        |      |      | QC 2 - 66      |                 |  |
|                       |        |        |      |      | QC 2 - 64      |                 |  |
|                       |        |        |      |      | QC 2 - 65      |                 |  |
|                       |        |        |      |      | QC 2 - 5       |                 |  |
|                       |        |        |      |      | QC 2 - 71      |                 |  |
|                       |        |        |      |      | QC 2 - 73      | DIP 20-09-24    |  |
|                       |        |        |      |      | QC 2 - 69      |                 |  |
|                       |        |        |      |      | QC 2 - 76      |                 |  |
|                       |        |        |      |      | QC 2 - 86      |                 |  |
|                       |        |        |      |      | QC 2 - 83      |                 |  |
| 140 QC 8              | 12 pcs | 8/8/20 | 0.00 | 0.00 | QC 8 - 12      |                 |  |
|                       |        |        |      |      | QC 8 - 14      |                 |  |
|                       |        |        |      |      | QC 8 - 17      |                 |  |
|                       |        |        |      |      | QC 8 - 20      |                 |  |
|                       |        |        |      |      | QC 8 - 25      |                 |  |
|                       |        |        |      |      | QC 8 - 3       |                 |  |
|                       |        |        |      |      | QC 8 - 32      | J.C.L. 20-10-23 |  |
|                       |        |        |      |      | QC 8 - 33      |                 |  |
|                       |        |        |      |      | QC 8 - 35      |                 |  |
|                       |        |        |      |      | QC 8 - 39      |                 |  |



|                                   |        |        |      |      |                           |  |
|-----------------------------------|--------|--------|------|------|---------------------------|--|
|                                   |        |        |      |      | QC 8 - 4                  |  |
|                                   |        |        |      |      | QC 8 - 44                 |  |
|                                   |        |        |      |      | QC 8 - 45                 |  |
|                                   |        |        |      |      | QC 8 - 49                 |  |
|                                   |        |        |      |      | QC 8 - 58                 |  |
|                                   |        |        |      |      | QC 8 - 8                  |  |
|                                   |        |        |      |      | QC 8 - 9                  |  |
|                                   |        |        |      |      | QC 8 - 68                 |  |
|                                   |        |        |      |      | QC 8 - 67                 |  |
|                                   |        |        |      |      | QC 8 - 1 (A)              |  |
|                                   |        |        |      |      | QC 8 - 47                 |  |
|                                   |        |        |      |      | QC 8 - 40                 |  |
|                                   |        |        |      |      | QC 8 - 52                 |  |
|                                   |        |        |      |      | QC 8 - 23                 |  |
|                                   |        |        |      |      | QC 8 - 57                 |  |
|                                   |        |        |      |      | QC 8 - 76                 |  |
|                                   |        |        |      |      | QC 8 - 61                 |  |
|                                   |        |        |      |      | QC 8 - 66                 |  |
|                                   |        |        |      |      | QC 8 - 73                 |  |
|                                   |        |        |      |      | QC 8 - 82                 |  |
| 150 Handfinish - 1-1 Chemical-B4B | 12 pcs | 8/8/20 | 0.00 | 0.35 | Handfinish - 1 - 1 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 2 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 3 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 4 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 5 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 6 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 7 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 8 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 9 - B4B  |  |
|                                   |        |        |      |      | Handfinish - 1 - 10 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 11 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 12 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 13 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 14 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 15 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 16 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 17 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 18 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 19 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 20 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 21 - B4B |  |
|                                   |        |        |      |      | Handfinish - 1 - 22 -     |  |

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|                                        |           |         |           |                                           |          |
|----------------------------------------|-----------|---------|-----------|-------------------------------------------|----------|
|                                        |           |         | B4B       |                                           |          |
| 151 QC 7                               | 12<br>pcs | 8/8/20  | 0.00 0.00 | QC 7 - 10                                 |          |
|                                        |           |         |           | QC 7 - 13                                 |          |
|                                        |           |         |           | QC 7 - 14                                 |          |
|                                        |           |         |           | QC 7 - 15                                 |          |
|                                        |           |         |           | QC 7 - 17                                 |          |
|                                        |           |         |           | QC 7 - 18                                 |          |
|                                        |           |         |           | QC 7 - 19                                 |          |
|                                        |           |         |           | QC 7 - 2                                  |          |
|                                        |           |         |           | QC 7 - 28                                 |          |
|                                        |           |         |           | QC 7 - 3                                  |          |
|                                        |           |         |           | QC 7 - 30                                 |          |
|                                        |           |         |           | QC 7 - 34                                 | 20-10-30 |
|                                        |           |         |           | QC 7 - 36                                 |          |
|                                        |           |         |           | QC 7 - 37                                 |          |
|                                        |           |         |           | QC 7 - 41                                 |          |
|                                        |           |         |           | QC 7 - 47                                 |          |
|                                        |           |         |           | QC 7 - 48                                 |          |
|                                        |           |         |           | QC 7 - 51                                 |          |
|                                        |           |         |           | QC 7 - 58                                 |          |
|                                        |           |         |           | QC 7 - 59                                 |          |
|                                        |           |         |           | QC 7 - 60                                 |          |
|                                        |           |         |           | QC 7 - 9                                  |          |
|                                        |           |         |           | QC 7 - 68                                 |          |
|                                        |           |         |           | QC 7 - 50                                 |          |
|                                        |           |         |           | QC 7 - 67                                 |          |
|                                        |           |         |           | QC 7 - 40                                 |          |
|                                        |           |         |           | QC 7 - 24                                 |          |
|                                        |           |         |           | QC 7 - 43                                 |          |
|                                        |           |         |           | QC 7 - 61                                 |          |
|                                        |           |         |           | QC 7 - 81                                 |          |
|                                        |           |         |           | QC 7 - 76                                 |          |
|                                        |           |         |           | QC 7 - 79                                 |          |
|                                        |           |         |           | QC 7 - 83                                 |          |
|                                        |           |         |           | QC 7 - 82                                 |          |
|                                        |           |         |           | QC 7 - 87                                 |          |
| 160 Powdercoat - 1 White Gl(A)-<br>B4B | 12<br>pcs | 8/10/20 | 0.00 0.42 | Powdercoat - 1 - B4B                      |          |
|                                        |           |         |           | Powdercoat - 2 - B4B                      |          |
|                                        |           |         |           | Powdercoat - 3 - B4B                      | 20-10-30 |
|                                        |           |         |           | Powdercoat - 4 - B4B                      |          |
| START 10:15 O.V.T. 300° FINISH 12:45.  |           |         |           |                                           |          |
| 170 QC 3                               | 12<br>pcs | 8/10/20 | 0.00 0.00 | QC 3 - 10                                 |          |
|                                        |           |         |           | QC 3 - 13                                 |          |
|                                        |           |         |           | QC 3 - 15                                 |          |
|                                        |           |         |           | QC 3 - 17                                 |          |
|                                        |           |         |           | QC 3 - 18                                 |          |
|                                        |           |         |           | QC 3 - 2                                  |          |
|                                        |           |         |           | QC 3 - 28                                 |          |
|                                        |           |         |           | QC 3 - 3                                  |          |
|                                        |           |         |           | QC 3 - 30                                 |          |
|                                        |           |         |           | QC 3 - 34                                 |          |
|                                        |           |         |           | QC 3 - 36                                 |          |
|                                        |           |         |           | QC 3 - 41                                 |          |
|                                        |           |         |           | QC 3 - 51                                 |          |
|                                        |           |         |           | QC 3 - 58                                 |          |
|                                        |           |         |           | QC 3 - 59                                 |          |
|                                        |           |         |           | QC 3 - 68                                 |          |
|                                        |           |         |           | QC 3 - 9                                  |          |
|                                        |           |         |           | QC 3 - 40                                 |          |
|                                        |           |         |           | QC 3 - 19                                 |          |
|                                        |           |         |           |                                           |          |
|                                        |           |         |           | Plex 5/1/20 2:32 PM Dart.lajeunesse.marie |          |



|     |                             |           |         |           |                        |                   |
|-----|-----------------------------|-----------|---------|-----------|------------------------|-------------------|
|     |                             |           |         |           | QC 3 - 43              |                   |
|     |                             |           |         |           | QC 3 - 24              |                   |
|     |                             |           |         |           | QC 3 - 61              |                   |
|     |                             |           |         |           | QC 3 - 81              |                   |
|     |                             |           |         |           | QC 3 - 82              |                   |
|     |                             |           |         |           | QC 3 - 87              |                   |
| 200 | Packaging 3-1 - Stock - B4B | 12<br>pcs | 8/10/20 | 0.00 0.00 | Packaging 3 - 1 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 2 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 3 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 4 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 5 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 6 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 7 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 8 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 9 - B4B  |                   |
|     |                             |           |         |           | Packaging 3 - 10 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 11 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 12 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 13 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 14 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 15 - B4B | FP-001 42 20-11-3 |
|     |                             |           |         |           | Packaging 3 - 16 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 17 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 18 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 19 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 20 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 21 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 22 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 23 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 24 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 25 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 26 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 27 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 28 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 29 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 30 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 31 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 32 - B4B |                   |
|     |                             |           |         |           | Packaging 3 - 33 - B4B |                   |
|     |                             |           |         |           |                        |                   |

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|                |        |         |           |                        |                 |
|----------------|--------|---------|-----------|------------------------|-----------------|
|                |        |         |           | Packaging 3 - 34 - B4B |                 |
|                |        |         |           | Packaging 3 - 35 - B4B |                 |
|                |        |         |           | Packaging 3 - 36 - B4B |                 |
|                |        |         |           | Packaging 3 - 37 - B4B |                 |
| 210 QC 21 - SA | 12 pcs | 8/10/20 | 0.00 0.00 | QC 21 - SA - 21        | DAS NOV 03 2021 |
|                |        |         |           | QC 21 - SA - 70        | 21              |
|                |        |         |           | QC 21 - SA - 53        | 8-32            |

Part Op **100** - Doosan (Doosan Lathe) 1-Turn as per Dwg DSK 101 & Folio FC492  
 Descriptions: **110** - QC2 Machining-2 (QC2- Inspect parts off machine FAI/FAIB)  
**120** - HAAS1-3 (HAAS CNC Vertical Machine) 1-Machine as per Folio FA627 & Dwg D3488  
**130** - QC2 Machining-2 (QC2- Inspect parts off machine FAI/FAIB)  
**140** - QC8 Machining-2 (QC8- Inspect parts - second check)  
**150** - HandFinish1 (Chemical Conversion Coat per QSI005 4.1)  
**151** - (QC7-Inspect Chemical Conversion Coat)  
**160** - Powdercoat1 (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: \_\_\_\_\_ OVEN TEMPERATURE: \_\_\_\_\_  
 FINISH TIME: \_\_\_\_\_  
**170** - QC3 (QC3- Inspect Part Finish)  
**200** - Packaging3-1 (Identify as per dwg & Stock Location: \_\_\_\_\_ LOCATION : FP001  
**210** - QC21 (QC21- Final Inspection - Work Order Release)

| Job BOM     |                        |               |                |                    |
|-------------|------------------------|---------------|----------------|--------------------|
| Part / Item | Component Name         | Quantity      | Operation      | Container          |
| D6103-003   | Round Billet, Aluminum | 12 pcs (1 ea) | 100-Doosan - 1 | S268638<br>S268643 |

| Job Allocations |                |          |           |           |
|-----------------|----------------|----------|-----------|-----------|
| Operation       | Component Part | Required | Inventory | Allocated |
| 100-Doosan - 1  | D6103-003      | 12       | 22        | 0         |

| Part Specifications                |
|------------------------------------|
| Specifications could not be found. |

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|                                                                    |  |                             |
|--------------------------------------------------------------------|--|-----------------------------|
| <b>DART AEROSPACE LTD</b>                                          |  | <b>Work Order:</b> 205545   |
| <b>Description:</b> Blade Fitting, RH / Turning Detail for D3488-4 |  | <b>Part Number:</b> D3488-4 |
| <b>Inspection Dwg:</b> D3488 / DSK101 <b>Rev:</b> C / D            |  | <b>Page 2 of 2</b>          |

### INSPECTION SHEET

| Drawing Dimension      | Tolerance     | Actual Dimension | Accept | Reject | Method of Inspection | Comments  |
|------------------------|---------------|------------------|--------|--------|----------------------|-----------|
| <b>Milling Section</b> |               |                  |        |        |                      |           |
| Ø0.508                 | +0.006/-0.001 | 0.508            | ✓      |        | Vernier              | B18193523 |
| 0.750                  | +/-0.010      | 0.750            | ✓      |        | H. Gage              | 31006     |
| 1.500                  | +/-0.010      | 1.499            | ✓      |        | H. Gage              | "         |
| 11.18                  | +/-0.030      | 11.176           | ✓      |        | H. Gage              | "         |
| R0.062                 | +/-0.010      | 0.0625           | ✓      |        | Rad. Gage            | REF.      |
| 0.125                  | +/-0.010      | 0.128            | ✓      |        | Vernier              | B18193523 |
| 0.590                  | +/-0.010      | 0.588            | ✓      |        | H. Gage              | 31006     |
| 0.793                  | +/-0.010      | 0.798            | ✓      |        | H. Gage              | "         |
| 1.351                  | +/-0.010      | 1.348            | ✓      |        | H. Gage              | "         |
| 1.317                  | +/-0.010      | 1.324            | ✓      |        | Micro. M.            | 67211253  |
| 1.802                  | +/-0.010      | 1.802            | ✓      |        | H. Gage              | 31006     |

715-.125  
.590 →

|                         |                           |                      |
|-------------------------|---------------------------|----------------------|
| <b>Measured by:</b> DJP | <b>Checked by:</b> J.C.V. | <b>QC Inspector:</b> |
| <b>Date:</b> 20-07-24   | <b>Date:</b> 20-10-23     | <b>Date:</b>         |

|                                                |              |
|------------------------------------------------|--------------|
| <b>Engineering Approval:</b><br>(If necessary) | <b>Date:</b> |
|------------------------------------------------|--------------|

| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| A   | 19.06.14 | New Issue | MG         |          |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QS1042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |